

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: Estimate for Construction of RCC Drains in Ramachandrapura Slum Main Road in Ward No. 10, Vidyaranyapura Sub Division.

010-18-000059		P-3158			Estimate Cost:			5000000.00	
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB M200-12.3. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. MORTH Specification No. 202 Page No. 137 / Item No. 18.19, PWD SR 2016-17	cum							
	HMT Main Road		1	785.00	1.80	0.15	211.95		
	Basic Rate	1022.00					211.95	1195.76	253442.00
	Add loading and unloading Charges It No 17.1 KSRRB M 100-1	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		1128.08							
	Area Weightage @ 6%	67.68							
	Total	1195.76							
2	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 Page No. 142 / Item No. 19.1, PWD SR 2016-17	cum							
	HMT Main Road		1	793.00	0.90	0.60	428.22		
	Basic Rate	82.00					428.22	199.36	85372.00
	Add loading and unloading Charges It No 17.1 KSRRB M 100-1	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		188.08							
	Area Weightage @ 6%	11.28							
	Total	199.36							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
3	KSRB 5.3-3 : Providing and constructing granite / Cap / basalt size stone masonry in basement with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 23 / Item No. 5.9, PWD SR 2016-17	Cum							
			2	793.00	0.45	0.23	164.15		
							164.15	5305.30	870870.00
	Basic Rate	5005.00							
	Area Weightage @ 6%	300.30							
	Total	5305.30							
4	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications Page No. 113 / Item No. 15.3, PWD SR 2016-17	Sqm							
			2	793.00		0.90	1427.40		
							1427.40	103.88	148278.00
	Basic Rate	98.00							
	Area Weightage @ 6%	5.88							
	Total	103.88							
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1.4.2. No. 12/ Item No. 4.6 / PWD SR 2016-17	Cum							
	Vent		2	793.00	0.45	0.10	71.37		
							71.37	5767.46	411624.00
	Basic Rate	5441.00							
	Area Weightage @ 6%	326.46							
	Total	5767.46							
6	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete 7.5 cms thick Page No. 25 / Item No. 5.31.1/ PWD SR 2016-17	Sqm							
	For Covering Slab		1	793.00		1.80	1427.40		
							1427.40	665.68	950192.00
	Basic Rate	628.00							
	Area Weightage @ 6%	37.68							
	Total	665.68							
7	KSRB 5-9: Providing chamfering edges to stone slab 2.5cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 Page No. 24 / Item No. 5.22 / PWD SR 2016-17	m							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
			1322	4.80			6344.00		
	Basic Rate	35.00					6344.00	37.10	235362.00
	Area Weightage @ 6%	2.10							
	Total	37.10							
8	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5-1.13 Page No. 24 / Item No. 5.18 / PWD SR 2016-17	Sqm							
							Qty Vide Item No. 6	1427.40	
	Basic Rate	909.00					1427.40	963.54	1375357.00
	Area Weightage @ 6%	54.54							
	Total	963.54							
9	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc., complete Page No. 25 / Item No. 5.30 PWD SR 2016-17	No							
	Kerb Stone		1	793.00			1762		
				0.45					
	Basic Rate	313.00					1762	331.78	584670.00
	Area Weightage @ 6%	18.78							
	Total	331.78							
10	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Page No. 122 / Item No. Item No. 15.80, PWD SR 2016-17	Sqm							
	Kerb Stone Painting		1	793.00		0.45	356.85		
	Basic Rate	26.00					356.85	27.56	9835.00
	Area Weightage @ 6%	1.56							
	Total	27.56							
11	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Page No. 122 / Item No. Item No. 15.81, PWD SR 2016-17	Sqm							
							Qty Vide Item No. 10	356.85	
	Basic Rate	66.00					356.85	69.96	24965.00

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%		3.96						
	Total		69.96						
	Sub Total								4949967.00
	For Third Part QC inspection Charges @ 1%								49500.00
	Miscellaneous and other Charges	L/S							533.00
	Total								5000000.00

Rupees Fifty Lakh(s) Only

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2016-17.
- 3 This work included under 2017-18 P-3158 SIP Infrastructure Project Works.
- 4 The provisions were made in this estimate are necessary and adequate.
- 5 This works come under B.B.M.P. limits.

[Signature]
Assistant Engineer
Ward No. 10

[Signature]
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyanarayana Sub Division
BBMP, Bangalore-97

[Signature]
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 50.00 Lakh
Rupees 50.00 Lakh only
Under Job code - 010-13-000059

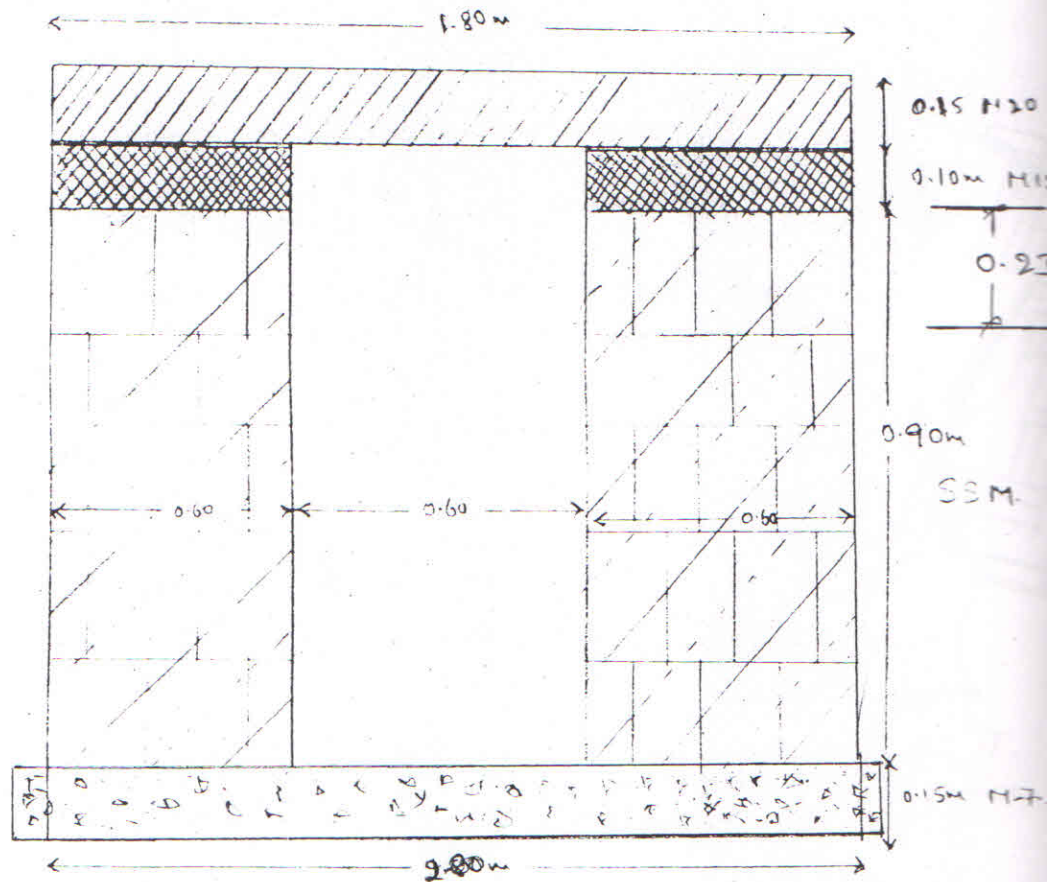
Technical Sanction
Accorded For Fifty Lakh only
Head of A/C P-3158
CER NO 27-05/18/19 25-8

Registered as EE () 9.....9.....
Subject to conditions contained in
enclosed memo EE () No/9/...

Dt 25-9-2018 Estimate A/Sanctioned
25-9-2018 Rs 50.00 Lakh

[Signature]
Joint Commissioner
(Yelahanka Zone)
BBMP Bengaluru-92

[Signature] **TAI** *[Signature]* **OE (YNK)**



CROSS SECTION OF CULVERT

SSM wall

Bhargava